

		Genomic (nuclear)									Non-genomic (non-nuclear)	
Hormones	Biosynthesis in the brain (Precursor/Enzyme)	Nuclear Receptor	Endogenous ligand	Transcription Activation Domain	Transcription Regulation (direct/indirect)	Co-activators	Co-repressors	Chaperone	Targets	Membrane-associated Receptor	Signaling pathway	
Estradiol (E2)	androgens/ aromatase <sup>[266]</sup>	Era	E2 ER $\beta$	AF-1 AF-2	ERE/AP1, SP1 <sup>[9]</sup>  AF-1 (not functional in humans), AF-2 <sup>[9]</sup>	SRC/p160, TRAP/DRIP, CBP/ p300 <sup>[9]</sup>	RIP140 <sup>[267]</sup> , NCor/ SMRT <sup>[268]</sup>	Hsp90, Hsp70 <sup>[269]</sup>	PRA <sup>[15]</sup> , oxytocin receptor <sup>[270]</sup>	mERs (e.g. Era <sub>36,46,66</sub> <sup>[271]</sup> / ER $\beta$ )	ERK, cAMP/PKA, PLC/PKAs, Ras/Raf/ MAPK, PI3K/Akt <sup>[25]</sup>	
		ER $\beta$		AF-1, AF-2 <sup>[263]</sup>								
Progesterone (P)	pregnenolone/3 $\beta$ -hydroxysteroid dehydrogenase <sup>[272]</sup>	PRA	P, DHP, THP <sup>[273]</sup>  PRB	AF-1, AF-2 <sup>[263]</sup>	PRE/ SP1 <sup>[274]</sup>  AF-1, AF-2, AF-3 <sup>[263]</sup>	SRC/p160, CBP/ p300 <sup>[263]</sup>	NCor/ SMRT, HDACs <sup>[263]</sup>	Hsp90, Hsp70, Hsp40 immunophilin (FKBP51, FKBP52) <sup>[269, 275]</sup>	PRB, ER, gluco-corticoid receptor <sup>[276]</sup>	mPRs ( <sub>0,8,9,6,8</sub> ), PGMRC <sub>1,2</sub> <sup>[264]</sup>	ERK, cAMP/PKA, PKG, Ca <sup>2+</sup> influx/PKC, PI3K/Akt <sup>[25]</sup>	
		PRB		AF-1, AF-2, AF-3 <sup>[263]</sup>								

**Abbreviation:** (m)ER = (membrane) estrogen receptor, (m)PR = (membrane) progesterone receptor, DHP = dihydroprogesterone, THP = tetrahydroprogesterone, AF = activation function, ERE = estrogen response element, AP = activator protein, SP = stimulating protein, PRE = progesterone response element, SRC = steroid receptor coactivator, TRAP/DRIP = thyroid hormone receptor associated protein/vitamin D receptor-integrating protein, CBP = CREB-binding protein, RIP = receptor-interacting protein, NCor = nuclear receptor corepressor, SMRT = silencing mediator for retinoid and thyroid receptors, HDACs = histone deacetylases, Hsp = heat-shock protein, PGMRC = progesterone membrane receptor component, ERK = extracellular regulated kinase, PLC = phospholipase C, PKC = protein kinase C, MAPK = mitogen activated protein kinase, PI3K = phosphatidyl inositol 3 kinase